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Substitute of form 1449/PTO

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INFORMATION DISCLOSURE STATEMENT BY  
APPLICANT

(use as many sheets as necessary)

Application Number

Not Yet Known

Filing Date

April 15, 2004

First Name Inventor

Willi Kaiser

Group Art Unit

~~Not Yet Known~~ 3766

Examiner Name

~~Not Yet Known~~ S. JOHNSON

Sheet

1

of

1

Attorney Docket Number

039199-9552-00

## U.S. PATENT DOCUMENTS

| Examiner Initials |   | U.S. Patent Document Number | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document |
|-------------------|---|-----------------------------|---|---------------------------------------|
| SJ                | / | 6,668,189                   | Kaiser et al.                                   | 12/23/2003                            |
| SJ                | / | 6,453,191                   | Krishnamachari                                  | 9/17/2002                             |
| SJ                | / | 6,409,659                   | Warner et al.                                   | 6/25/2002                             |
| SJ                | / | 6,169,919                   | Nearing et al.                                  | 1/2/2001                              |
| SJ                | / | 5,935,082                   | Albrecht et al.                                 | 8/10/1999                             |
| SJ                | / | 5,827,195                   | Lander  | 10/27/1998                            |
| SJ                | / | 5,560,370                   | Verrier et al.                                  | 10/1/1996                             |
| SJ                | / | 5,361,776                   | Samuelson et al.                                | 11/8/1994                             |
| SJ                | / | 5,265,617                   | Verrier et al.                                  | 11/30/1993                            |
| SJ                | / | 5,148,812                   | Verrier et al.                                  | 9/22/1992                             |
| SJ                | / | 5,109,862                   | Kelen et al.                                    | 5/5/1992                              |

## FOREIGN PATENT DOCUMENTS

| Examiner Initials | Country Code | Foreign Patent Document Number | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document | Translation | English Abstract |
|-------------------|--------------|--------------------------------|---|---------------------------------------|-------------|------------------|
| /                 | /            | /                              | /   | /                                     | /           | /                |
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| Examiner Signature | Sharon Johnson | Date Considered | 1/18/06 |
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|  |   |    | Application Number       | Not Yet Known                       |                |
|  |   |    | Filing Date              | April 15, 2004                      |                |
|  |   |    | First Named Inventor     | Willi Kaiser                        |                |
|  |   |    | Group Art Unit           | <del>Not Yet Known</del> 3766       |                |
|  |   |    | Examiner Name            | <del>Not Yet Known</del> S. JOHNSON |                |
| Sheet  | 1 | of | 1                        | Attorney Docket Number              | 039199-9552-00 |

| OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS |  |
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| Examiner Initials                                 | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc. ), date, pages(s), volume-issue numbers(s), publisher, city and/or country where published. |
| ST  | ACHIM MICHAEL NUEBLING, U. S. Patent Application No. 09/711,691, filed November, 13, 2000, referenced by attorney docket no. 03199-9505  |
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|---|--|---|--|

| U.S. PATENT DOCUMENTS |   |                             |   |                                       |
|-----------------------|---|-----------------------------|---|---------------------------------------|
| Examiner Initials     |   | U.S. Patent Document Number | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document |
| SS                    | / | 4,589,420                   | Adams et al.                                    | 5/20/1986                             |
| SS                    | / | 4,457,315                   | Bennish   | 7/3/1984                              |
| SS                    | / | 5,201,321                   | Fulton  | 4/13/1993                             |
| SS                    | / | 4,854,327                   | Kunig   | 8/8/1989                              |
| SS                    | / | 5,025,795                   | Kunig   | 6/25/1991                             |
| SS                    | / | 4,989,610                   | Patton et al.                                   | 2/5/1991                              |
| SS                    | / | 4,977,899                   | Digby et al.                                    | 12/18/1990                            |
| SS                    | / | 4,958,641                   | Digby et al.                                    | 9/25/1990                             |
| SS                    | / | 4,928,690                   | Heilman et al.                                  | 5/29/1990                             |
| SS                    | / | 4,860,762                   | Heumann et al.                                  | 8/29/1989                             |
| SS                    | / | 4,679,144                   | Cox et al.                                      | 7/7/1987                              |
| SS                    | / | 4,432,375                   | Angel et al.                                    | 2/21/1984                             |
| SS                    | / | 4,422,459                   | Simson  | 12/27/1983                            |
| SS                    | / | 4,202,340                   | Langer et al.                                   | 5/13/1980                             |
| SS                    | / | 5,117,834                   | Kroll et al.                                    | 6/2/1992                              |
| SS                    | / | 4,492,235                   | Sitrick   | 1/8/1985                              |
| SS                    | / | 4,458,692                   | Simson  | 7/10/1984                             |
| SS                    | / | 4,458,691                   | Netravali                                       | 7/10/1984                             |

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|   |                        | Filing Date         | April 15, 2004 |
|   |                        | First Name Inventor | Willi Kaiser   |
|   |                        | Group Art Unit      | 3766           |
|   |                        | Examiner Name       | S. THOMPSON    |
| Sheet 2 of 7  | Attorney Docket Number |                     |                |

| U.S. PATENT DOCUMENTS |   |                             |   |                                       |
|-----------------------|---|-----------------------------|---|---------------------------------------|
| Examiner Initials     |   | U.S. Patent Document Number | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document |
| SJ                    | / | 4,974,598                   | John  | 12/4/1990                             |
| SJ                    | / | 5,117,833                   | Albert et al.                                   | 6/2/1992                              |
| SJ                    | / | 5,000,189                   | Throne et al.                                   | 3/19/1991                             |
| SJ                    | / | 4,519,395                   | Hrushesky                                       | 5/28/1985                             |
| SJ                    | / | 4,136,690                   | Anderson et al.                                 | 1/30/1979                             |
| SJ                    | / | 5,570,696                   | Arnold et al.                                   | 11/5/1996                             |
| SJ                    | / | 5,819,741                   | Karlsson et al.                                 | 10/13/1998                            |
| SJ                    | / | 5,343,870                   | Gallant et al.                                  | 9/6/1994                              |
| SJ                    | / | 6,453,191                   | Krishnamachari                                  | 9/17/2002                             |
| SJ                    | / | 4,802,491                   | Cohen et al.                                    | 2/7/1989                              |
| SJ                    | / | 5,935,082                   | Albrecht et al.                                 | 8/10/1999                             |
| SJ                    | / | 5,148,812                   | Verrier et al.                                  | 9/22/1992                             |
| SJ                    | / | 5,265,617                   | Verrier et al.                                  | 11/30/1993                            |
| SJ                    | / | 5,437,285                   | Verrier et al.                                  | 8/1/1995                              |
| SJ                    | / | 5,560,370                   | Verrier et al.                                  | 10/1/1996                             |
| SJ                    | / | 5,921,940                   | Verrier et al.                                  | 7/13/1999                             |
| SJ                    | / | 6,169,919                   | Nearing et al.                                  | 1/2/2001                              |
| SJ                    | / | 4,896,677                   | Kaneko et al.                                   | 1/30/1990                             |
| SJ                    | / | 4,732,157                   | Kaplan et al.                                   | 3/22/1988                             |
| SJ                    | / | 4,972,834                   | Begemann et al.                                 | 11/27/1990                            |
| SJ                    | / | 5,042,497                   | Shapland  | 8/27/1991                             |
| SJ                    | / | 5,188,116                   | Pommrehn et al.                                 | 2/23/1993                             |

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|   |                        | Filing Date         | April 15, 2004 |
|   |                        | First Name Inventor | Willi Kaiser   |
|   |                        | Group Art Unit      | 3766           |
|   |                        | Examiner Name       | S. JOHNSON     |
| Sheet 3 of 7  | Attorney Docket Number |                     |                |

| U.S. PATENT DOCUMENTS |   |                             |   |                                       |
|-----------------------|---|-----------------------------|---|---------------------------------------|
| Examiner Initials     |   | U.S. Patent Document Number | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document |
| SJ                    | / | 5,277,190                   | Moulton   | 1/11/1994                             |
| SJ                    | / | 3,554,187                   | Glassner et al.                                 | 1/12/1971                             |
| SJ                    | / | 4,802,491                   | Cohen et al.                                    | 2/7/1989                              |
| SJ                    | / | 4,924,875                   | Chamoun   | 5/15/1990                             |
| SJ                    | / | 4,974,162                   | Siegel et al.                                   | 11/27/1990                            |
| SJ                    | / | 3,902,479                   | Chaumet   | 9/2/1975                              |
| SJ                    | / | 4,170,992                   | Dillman   | 10/16/1979                            |
| SJ                    | / | 4,603,703                   | McGill et al.                                   | 8/5/1986                              |
| SJ                    | / | 4,665,485                   | Lundy et al.                                    | 5/12/1987                             |
| SJ                    | / | 3,759,248                   | Valiquette                                      | 9/18/1973                             |
| SJ                    | / | 4,316,249                   | Gallant et al.                                  | 2/16/1982                             |
| SJ                    | / | 4,938,228                   | Righter et al.                                  | 7/3/1990                              |
| SJ                    | / | 4,951,680                   | Kirk et al.                                     | 8/28/1990                             |
| SJ                    | / | 4,955,382                   | Franz et al.                                    | 9/11/1990                             |
| SJ                    | / | 4,832,038                   | Arai et al.                                     | 5/23/1989                             |
| SJ                    | / | 4,475,558                   | Brock   | 10/9/1984                             |
| SJ                    | / | 4,616,659                   | Prezas et al.                                   | 10/14/1986                            |
| SJ                    | / | 3,658,055                   | Abe et al.                                      | 4/25/1972                             |
| SJ                    | / | 3,821,948                   | King  | 7/2/1974                              |
| SJ                    | / | 3,952,731                   | Worstencroft                                    | 4/27/1976                             |
| SJ                    | / | 4,181,135                   | Andresen et al.                                 | 1/1/1980                              |
| SJ                    | / | 4,417,306                   | Citron et al.                                   | 11/22/1983                            |

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|   |                        | Filing Date         | April 15, 2004 |
|   |                        | First Name Inventor | Willi Kaiser   |
|   |                        | Group Art Unit      | 3766           |
|   |                        | Examiner Name       | S. Jolt/SDN    |
| Sheet 4 of 7  | Attorney Docket Number |                     |                |

| U.S. PATENT DOCUMENTS |   |                             |   |                                       |
|-----------------------|---|-----------------------------|---|---------------------------------------|
| Examiner Initials     |   | U.S. Patent Document Number | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document |
| SJ                    | / | 5,423,878                   | Franz   | 6/13/1995                             |
| SJ                    | / | 5,253,650                   | Wada  | 10/19/1993                            |
| SJ                    | / | 4,124,894                   | Vick et al.                                     | 11/7/1978                             |
| SJ                    | / | 4,979,510                   | Franz et al.                                    | 12/25/1990                            |
| SJ                    | / | 5,020,540                   | Chamoun   | 6/4/1991                              |
| SJ                    | / | 4,583,553                   | Shah et al.                                     | 4/22/1986                             |
| SJ                    | / | 4,680,708                   | Ambos et al.                                    | 7/14/1987                             |
| SJ                    | / | 4,796,638                   | Sasaki  | 1/10/1989                             |
| SJ                    | / | 5,092,341                   | Kelen   | 3/3/1992                              |
| SJ                    | / | 5,109,862                   | Kelen et al.                                    | 5/5/1992                              |
| SJ                    | / | 5,570,696                   | Arnold et al.                                   | 11/5/1996                             |
| SJ                    | / | 5,323,783                   | Henkin et al.                                   | 6/28/1994                             |
| SJ                    | / | 5,234,404                   | Tuttle et al.                                   | 8/10/1993                             |
| SJ                    | / | 5,010,888                   | Jadvar et al.                                   | 4/30/1991                             |
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|   |                        | First Name Inventor | Willi Kaiser   |
|   |                        | Group Art Unit      | 3766           |
|   |                        | Examiner Name       | S. JOHNSON     |
| Sheet 5 of 7  | Attorney Docket Number |                     |                |

| FOREIGN PATENT DOCUMENTS |              |                                |  |                                       |             |                  |
|--------------------------|--------------|--------------------------------|--|---------------------------------------|-------------|------------------|
| Examiner Initials        | Country Code | Foreign Patent Document Number | Name of Patentee or Applicant of Cited Document          | Date of Publication of Cited Document | Translation | English Abstract |
|                          |              |                                |  |                                       |             |                  |
| SJ                       | DE           | 2604460                        | Michael S. Lampadius                                     | 8/11/1977                             |             |                  |
| SJ                       | DE           | 3303104                        | Belorussky Nauchno-Issledovatel'sky Institut Kardiologii | 8/2/1984                              |             |                  |
| SJ                       | DE           | 4024360                        | Transformatoren und Röntgenwerk GmbH                     | 3/21/1991                             |             |                  |
| SJ                       | EP           | 0080821                        | Datamedix, Inc.  | 6/8/1983                              |             |                  |
| SJ                       | FR           | 2539978                        | Belorussky Nauchno-Issledovatel'sky Institut Kardiologii | 8/3/1984                              |             |                  |
| SJ                       | UK           | 2070871                        | Anderson et al.  | 9/9/1981                              |             |                  |
| SJ                       | WO           | WO81/02832                     | Datamedix, Inc.  | 10/15/1981                            |             |                  |
|                          |              |                                |  |                                       |             |                  |

| OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS |  |
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| SJ  | Speranza et al., 'Beat-to-beat measurement and analysis of the R-T interval in 24 h ECG Holter recordings,' Med and Biol Eng & Comput, 1993, 31, pp. 487-494.  |
| SJ  | Narayanaswamy et al., 'Selective beat signal averaging and spectral analysis of beat intervals to determine the mechanisms of premature ventricular contractions,' University of Oklahoma Health Sciences Center, May 1993, pp. 81-84.                             |
| SJ  | Laks et al., 'ECG computer program developed for a retrospective and prospective study of the Pardee T wave,' Department of Medicine, UCLA School of Medicine, Harbor-UCLA Medical Center, Torrance, CA, 1992, pp. 365-368.  |
| SJ  | Makarov et al., 'Holter monitoring in the long QT syndrome of children and adolescents,' Cor Vasa, 1990, 32(6), pp. 474-483.   |
| SJ  | Navarro-Lopez et al., 'Isolated T wave alternans elicited by hypocalcemia in dogs,' Electrocardiology, 1978, 11(2), pp. 103-108.   |

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|  |                        | First Name Inventor | Willi Kaiser   |
|  |                        | Group Art Unit      | 3766           |
|  |                        | Examiner Name       | S. JOHNSON     |
| Sheet 6 of 7   | Attorney Docket Number |                     |                |

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|---|--|
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| SS  | Little et al., 'Torsade de Pointes and T-U wave alternans associated with arsenic poisoning,' Pace, 1990, 13, pp. 164-170.   |
| SS  | Weintraub et al., 'The congenital long QT syndromes in childhood,' Journal of the American College of Cardiology, September 1990, 16(3), pp. 674-680.  |
| SS  | Bibler et al., 'Recurrent ventricular tachycardia due to pentamidine-induced cardiotoxicity,' Chest, December 1988, 94(6), pp. 1303-1306.  |
| SS  | Ahnve et al., 'Circadian variations in cardiovascular parameters during sleep deprivation, A noninvasive study of young healthy men,' European Journal of Applied Physiology, 1981, 46, pp. 9-19.  |
| SS  | Surawicz, 'ST-segment, T-wave, and U-wave changes during myocardial ischemia and after myocardial infarction,' Canadian Journal of Cardiology, Supplement A, July 1986, pp. 71A-84A.   |
| SS  | Stroobandt et al., 'Simultaneous recording of atrial and ventricular monophasic action potentials: monophasic action potential duration during atrial pacing, ventricular pacing, and ventricular fibrillation,' Pace, July-August 1985, 8, pp. 502-511.           |
| SS  | Sharma et al., 'Romano-Ward prolonged QT syndrome with intermittent T wave alternans and atrioventricular block,' American Heart Journal, 1981, pp. 500-501.   |
| SS  | Navarro-Lopez et al., 'Isolated T wave alternans,' American Heart Journal, 1978, pp. 369-374.  |
| SS  | Mitsutake et al., 'Usefulness of the Valsalva Maneuver in management of the long QT syndrome,' Circulation, 1981, 63(5), pp. 1029-1035.  |
| SS  | Nearing et al., 'Personal computer system for tracking cardiac vulnerability by complex demodulation of the T wave,' American Physiological Society, 1993, pp. 2606-2612.  |
| SS  | Joyal et al., 'ST-segment alternans during percutaneous transluminal coronary angioplasty,' Division of Cardiology, Department of Medicine, University of Florida and the Veterans Administration Medical Center, June 1984, pp. 915-916.                          |
| SS  | Schwartz et al., 'Electrical alternation of the T-wave: clinical and experimental evidence of its relationship with the sympathetic nervous system and with the long Q-T syndrome,' American Heart Journal, January 1975, 89(1), pp. 45-50.                        |
| SS  | Schwartz, 'Idiopathic long QT syndrome: progress and questions,' American Heart Journal, February 1985, 109(2), pp. 399-411.   |
| SS  | Verrier et al., 'Electrophysiologic basis for T wave alternans as an index of vulnerability to ventricular fibrillation,' Journal of Cardiovascular Electrophysiology, May 1994, 5(5), pp. 445-461.  |

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|   |                        | Filing Date         | April 15, 2004 |
|   |                        | First Name Inventor | Willi Kaiser   |
|   |                        | Group Art Unit      | 3766           |
|   |                        | Examiner Name       | S. JOHNSON     |
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| SJ  | Verrier et al., 'Behavioral states and sudden cardiac death,' Pace, September 1992, 15, pp. 1387-1393.   |
| SJ  | Turitto et al., 'Alternans of the ST segment in variant angina,' Chest, March 1988, 93(3), pp. 587-591.  |
| SJ  | Ring et al., 'Exercise-induced ST segment alternans,' American Heart Journal, May 1986, 111(5), pp. 1009-1011.   |
| SJ  | Wayne et al., 'Exercise-induced ST segment alternans,' Chest, May 1983, 83(5), pp. 824-825.  |
| SJ  | Verrier et al., 'Ambulatory electrocardiogram-based tracking of T wave alternans in postmyocardial infarction patients to assess risk of cardiac arrest or arrhythmic death,' Journal of Cardiovascular Electrophysiology, July 2003, 14(7), pp. 705-711.          |
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